L1110355003-McHenry County
Cattly H.D. Corporation
ILD180012585

Not RCRA

5E0301-A0101

Dept. Ltr. 7/8/89 State Fund

CERCLA

Preliminary Assessment Report

Illinois Environmental Protection Agency
P.O. Box 19276,
Springfield, IL 62794-9276

8/20/97 O.P.

Executive Summary

Catty Corporation is located at 11117 South Church Street in Huntley, Illinois. This is in the NW 1/4 of Section 33, T43N, R7W, McHenry County. The facility has been in business since 1946 and does printing for various types of packaging (foil wrappings for the food industry). Between 1907 and 1946, the property was used as a creamery. The company has had numerous owners, the present being Raymond Scott (R.G.S., Inc.) who purchased the company February 10, 1987 from Rust Ventures L.P.

This facility came into play on October 8, 1987 when the Village of Huntley Public Works were excavating approximately 10 feet away from Catty's drum storage area. While digging a trench to repair a broken valve near the village's number 4 well, strong solvent odors and discolored soils were observed. Village workers also noticed spills and overturned drums with the tops removed on Catty's adjacent property. On behalf of the village, a soil sample was taken at a depth of 18 inches by the engineering firm of Baxter and Woodman, Inc. Analysis revealed the presence of 13 volatile compounds in concentration from 2.4 ug/g to 13.2 ug/g (ppm).

Catty Corporation Material Safety Data Sheets (MSDS) obtained from Baxter and Woodman show chemicals used by the facility were of the same nature as some of the chemicals found in the soil sample. Baxter and Woodman also took photographs of the spills and overturned drums. During the excavation, Catty's drum storage area consisted only of wooden plank floor.

On November 20, 1987, Illinois EPA conducted a inspection of Catty. At this time, it was determined that the company was a generator subject to reduced requirements and only minor RCRA violations were found. It was noted that the drum storage pad was diked and had a concrete base. Fresh gravel had also been spread around the pad. In a follow-up inspection February 4, 1988, violations sighted during the previous inspection were resolved.

On May 3, 1988, Illinois EPA took soil gas readings, and collected soil samples from test pits located on Village property adjacent to Catty's drum storage area. Results of the soil gas survey indicated that subsurface contamination was greatest immediately adjacent to the Catty drum storage area. Soil gas readings declined with distance away from the drum storage area. Test pit locations were selected based on the soil gas survey information. A backhoe and crew furnished by the village dug the test pits to 6 feet before groundwater was encountered. Sample X101 was collected in test pit #1 at a 5 feet depth. In this sample nearest the drum storage area, the following concentrations were extracted:

Compound	Concentration (ppm)
Naphthalene	18.9
2-Methylnaphthalene	133.0
Acenaphthene	8.1
Dibenzofuran	8.0
Fluorene	7.6
Phenanthrene	15.0
Tentatively Identified Compounds	--

Sample X102, from test pit #2, also revealed the presence of volatile organic compounds, but in much lower concentrations. Samples X103 and X104 showed no detectable levels of organic contamination. These findings indicate an area of soil and probable groundwater contamination exists and is emanating from the Catty property.

Well #4 is one of three public water supply wells currently being used by Huntley's approximately 3000 residents. In November of 1953, the well was finished in sand and gravel to a depth of 63 feet (screened the last 10 feet). The annulus between the bore hole and the casing-screen assembly is filled with clay fill from 0-28 feet and with 11.5 yards of pea gravel and course sand from 28-63 feet. The drillers log shows till and fill to 3 feet followed by blue clay and boulders to 40 feet and finally course gravel and boulders to 63 feet. The well is being sampled quarterly and has been shown to be free of the chemicals of concern. However, its closeness to soil and groundwater contamination (15-20 feet) creates a threat to this well. According to Steve Nimbar, public works, well #6 is soon to be shut down for repairs and the increased pumpage on #4 will add more concern. A high priority for Sight Inspection is being recommended.

L1110355003

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

EPA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL D	1800125 85

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
Catty H. D. Corporation	11117 South Church Street				
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 COUNTY**	**07 COUNTY CODE**	**08 CONG DIST**
Huntley	IL	60142	McHenry	111	12

09 COORDINATES LATITUDE	LONGITUDE	
42 10 00.0	088 25 32.0	N4207.5 – W8822.5 / 7.5 Huntley, IL 27B

10 DIRECTIONS TO SITE (Starting from nearest public road): From 47 take Huntley Rd. east to Church Street go South on Church, Catty Corp is on the right.

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)			
Raymond Scott	11117 South Church Street			
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 TELEPHONE NUMBER**	
Huntley	IL	60142	(312) 669-5161	
07 OPERATOR (If known and different from owner)	**08 STREET (Business, mailing, residential)**			
09 CITY	**10 STATE**	**11 ZIP CODE**	**12 TELEPHONE NUMBER**	
			( )	

13 TYPE OF OWNERSHIP (Check one)
■ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
■ A. RCRA 3001 DATE RECEIVED: 11/21/84 (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: / / (MONTH DAY YEAR) ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
■ YES ☐ NO DATE 11/20/87 (MONTH DAY YEAR)

BY (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR ■ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ (Specify)
CONTRACTOR NAME(S): _____

02 SITE STATUS (Check one)	03 YEARS OF OPERATION		
■ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN	1946 (BEGINNING YEAR)	Present (ENDING YEAR)	☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
PNA's – Poly Nucleated Aromatic Hydrocarbons

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
Groundwater (Population, Environment)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
■ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NUMBER
Dennis Newman	IEPA Immediate Removal Unit	(217) 785-4430

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Timothy J. Murphy	IEPA	RPMS/Pre-Remedial	(217) 785-5737	6/7/89 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	180012585

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

A SOLID
B POWDER, FINES
C SLUDGE
D OTHER _____ (Specify)
E SLURRY
(F) LIQUID
G GAS

02 WASTE QUANTITY AT SITE
(Measures of waste quantities must be independent)

TONS
CUBIC YARDS
NO OF DRUMS

03 WASTE CHARACTERISTICS (Check all that apply)

(A) TOXIC
B CORROSIVE
C RADIOACTIVE
(D) PERSISTENT
E SOLUBLE
F INFECTIOUS
G FLAMMABLE
H IGNITABLE
I HIGHLY VOLATILE
J EXPLOSIVE
K REACTIVE
L INCOMPATIBLE
M NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE	UNKNOWN		
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
OLW	Naphthalene	91203	found in vadose	18.9	ug/g
OLW	2-Methylnaphthalene	91576	zone soil	133.0	ug/g
OLW	Acenaphthene	208968	Samples just	8.1	ug/g
OLW	Dibenzofuran	132649	above water table	8.0	ug/g
OLW	Fluorene	86737	Near drum Storage	7.6	ug/g
OLW	Phenanthrene	85018	area	15.0	ug/g

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

IEPA DLPC file # L1110355003

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
ILD	180012585

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ● A GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE ____ ____) — ● POTENTIAL — ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ≥ 3000 — 04 NARRATIVE DESCRIPTION
Soil Samples from vadose zone 1 foot above water table show high concentrations of semi volitile organic compounds

Doc. 5

01 ☐ B SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE ____ ____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ____ — 04 NARRATIVE DESCRIPTION
No Surface water near the site

Topo Map

01 ● C CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE ____) — ● POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ____ — 04 NARRATIVE DESCRIPTION
Soil gas readings show contamination and could contribute to air contamination

Doc. 3, 5

01 ☐ D FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE ____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ____ — 04 NARRATIVE DESCRIPTION
None noted or observed

01 ☐ E DIRECT CONTACT — 02 ☐ OBSERVED (DATE ____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ____ — 04 NARRATIVE DESCRIPTION
None noted or observed

01 ● F CONTAMINATION OF SOIL — 02 ● OBSERVED (DATE 5-3-88) — ☐ POTENTIAL — ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: unk (Acres) — 04 NARRATIVE DESCRIPTION
Soil Samples from test pits show contamination of PNA's

Doc. 5

01 ● G DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE ____) — ● POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ____ — 04 NARRATIVE DESCRIPTION
Huntley Well # 4 is 15-20 feet away from known soil contamination and possible groundwater contamination (63 feet depth)

Doc. 1, 5

01 ☐ H WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE ____) — ☐ POTENTIAL — ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: ____ — 04 NARRATIVE DESCRIPTION
None noted or observed

01 ● I POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE ____) — ● POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ____ — 04 NARRATIVE DESCRIPTION
See G. above

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: ILD | 02 SITE NUMBER: 1800125 85

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None noted or observed

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)
None Noted or observed

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None Noted or observed

01 ■ M. UNSTABLE CONTAINMENT OF WASTES (Spills, runoff, standing liquids, flaking drums) — 02 ■ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION
Wastes were stored on wooden pad with no secondary containment, wastes were stored in well house
Doc. 1, 3

01 ■ N. DAMAGE TO OFFSITE PROPERTY — 02 ■ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Contaminated soil has been found on adjacent village property near well #4
Doc. 5

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None noted or observed

01 ■ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ■ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Drums with tops removed and overturned drums with spills on the ground were photographed by village consultant
Doc. 1

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: ≈3000

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)
IEPA DLPC files L1110355003
phone call with Huntley public works employee, Steve Nimbar 5-22-89

EPA FORM 2070-12 (7-81)

Catty Corporation
Huntley, IL

SITE LOCATION

SDMS US EPA Region V

Imagery Insert Form

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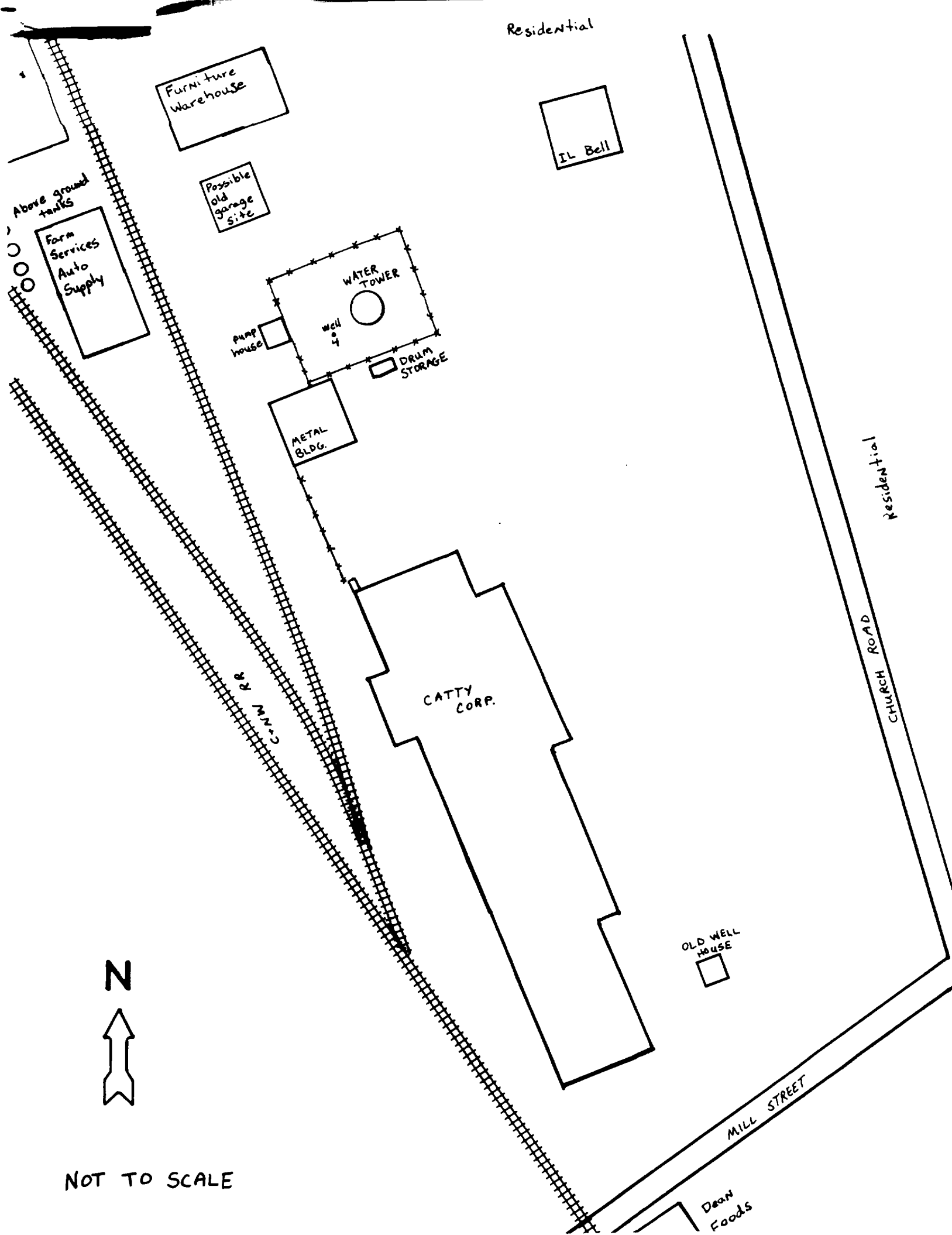

Residential
Furniture Warehouse
IL Bell
Possible old garage site
Above ground tanks
Farm Services Auto Supply
WATER TOWER
pump house
well 4
DRUM STORAGE
METAL BLDG.
CATTY CORP.
C & NW RR
CHURCH ROAD
Residential
OLD WELL HOUSE
MILL STREET
Dean Foods
N
NOT TO SCALE

Supporting

Documentation

Documents	Number
IEPA Memorandums dated 2-8-88	1
Property ownership letter to IEPA dated 1-20-88	2
IEPA Memorandum dated 2-25-88	3
IEPA Memorandum dated 3-25-88	4
IEPA Memoradum Dated 5-16-88 and subsequent sample results	5
Illinois State Water Survey Bulletin 60-19 p. 27	6

Document 1

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: February 8, 1988

TO: Clean Up Objectives Team

RECEIVED
FEB 11 1988
IEPA/DLPC

FROM: Mary Glynn, DLPC, FOS, Maywood M.G.

SUBJECT: Village of Huntley - Well Number 4
McHenry County

Site Description and Background

On October 8, 1987 personnel from the Village of Huntley were digging a trench near the Villages inactive well #4 to replace a broken valve. During the digging, a strong solvent odor and discoloration of soil was observed. The trench is approximately 6 ft. deep and approximately 10 ft. away from a raw material drum storage area belonging to Catty H.D. Corporation. Most of the materials stored there were solvent based inks. Village workers observed spills on the ground and overturned drums with the tops removed.

A sample was taken at a depth of 18 inches by Baxter and Woodman Inc. on behalf of the Village and analysis revealed the presence of several compounds in concentrations of 2.3 ug/g to 13.2 ug/g.

FOS requests that clean up objectives be established for a voluntary clean up by the Village of Huntley or by other responsible parties.

MG:bj:067J

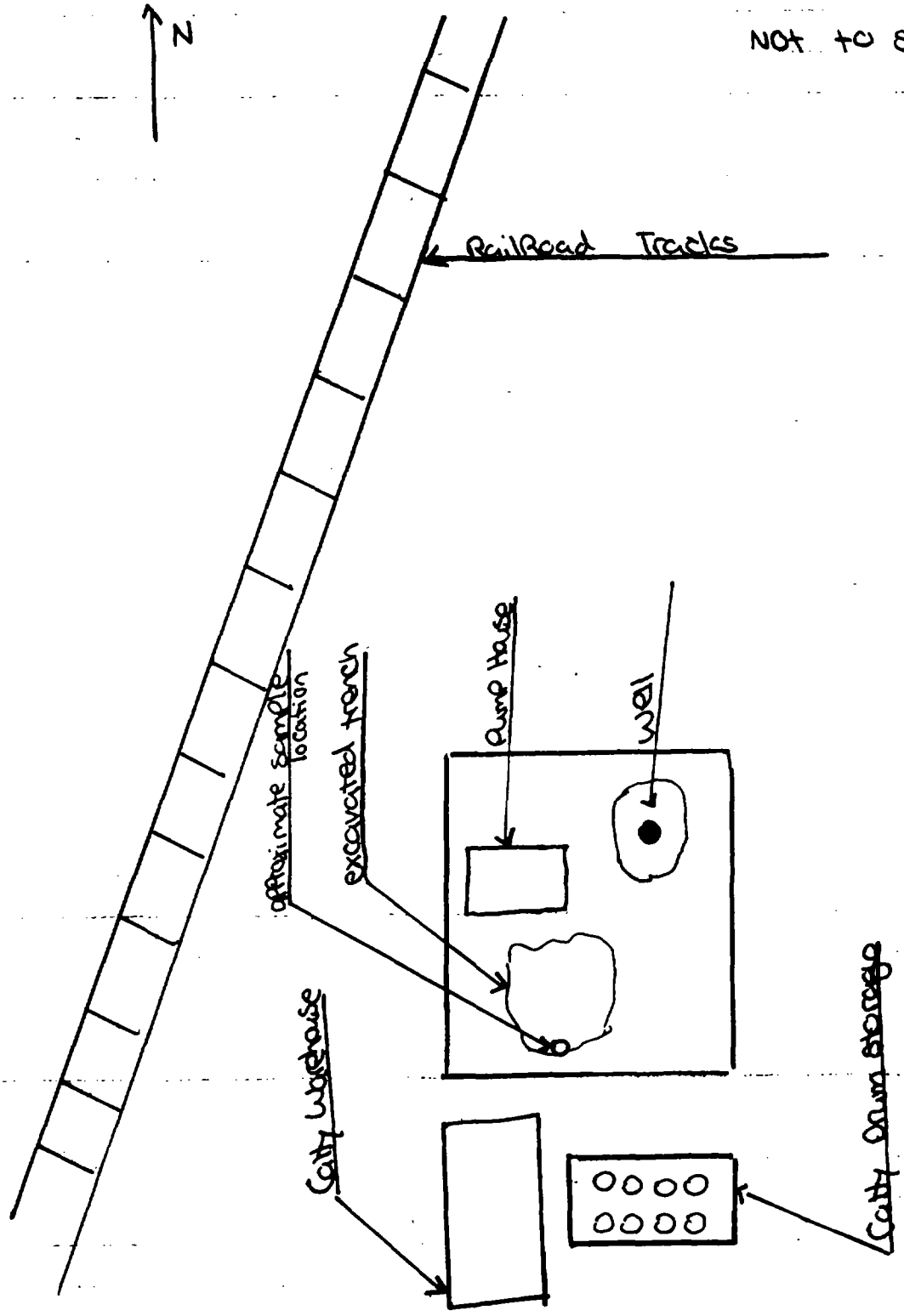
Attachment - Analysis
Site Sketch

Facility Name: Village of Huntley - Well # 4

USEPA Number: _____ IEPA Number: 1110000000

Sketch of Site: ___Accumulation Area(s) ___Treatment Area(s) ___Storage Area(s)

___Disposal Area(s) ___Entire Site



300 — [illegible] →

350 — carpet →

150 — bills —

500 — [illegible]

500 — [illegible]

500 — [illegible]

aqualab inc.

850 West Bartlett Road, Bartlett, Illinois 60103 312/289-3100

LIBRARY SEARCH SUMMARY

Sample No.	Compound	Concentration ug/g
52755	2,6-dimethyl octane	3.3
	1,1,2,3-tetramethylcyclohexane	3.3
	(1-methylethyl)-benzene	2.4.
	1-ethyl-3,5-dimethyl benzene	5.2
	Decahydronaphthalene	4.3
	1-ethyl-3,5-dimethyl benzene	4.7
	3,8-dimethyl undecane	2.8
	2-ethyl-1,4-dimethylbenzene	5.7
	1,2,4,5-tetramethyl benzene	9.5
	2-ethenyl-1,4-dimethyl benzene	13.2
	1-(2,4-dimethyl phenyl)-(9CI) ethanone	6.6
	Unknown	3.8
	Unknown	5.2

All compounds are tentatively identified with concentrations estimated based on the response of the nearest internal standard.

aqualab inc.

COPY

850 West Bartlett Road, Bartlett, Illinois 60103 312/289-3100

ANALYTICAL REPORT

Mr. Bruce Mack
BAXTER & WOODMAN INC.
8678 Ridgefield
Crystal Lake IL 60012

10-16-87

Sample No.: 52755

Sample Description: H-1 Pit
Huntley Well No. 4 Site

Date Taken: 10-08-87 1500

Date Received: 10-09-87 1200

VOLATILE COMPOUNDS

Acrolein	<10.	ug/g
Acrylonitrile	<10.	ug/g
Benzene	<1.0	ug/g
Bromodichloromethane	<1.0	ug/g
Bromoform	<1.0	ug/g
Bromomethane	<10.	ug/g
Carbon tetrachloride	<1.0	ug/g
Chlorobenzene	<1.0	ug/g
Chloroethane	<10.	ug/g
2-Chloroethylvinyl ether	<1.0	ug/g
Chloroform	<1.0	ug/g
Chloromethane	<10.	ug/g
Dibromochloromethane	<1.0	ug/g
1,2-Dichlorobenzene	<1.0	ug/g

Results are on a dry weight basis.

William H. Mottashed, Manager
Bartlett Division

aqualab inc.

850 West Bartlett Road, Bartlett, Illinois 60103 312/289-3100

ANALYTICAL REPORT

Mr. Bruce Mack
BAXTER & WOODMAN INC.
8678 Ridgefield
Crystal Lake IL 60012

10-16-87

Sample No.: 52755

Sample Description: H-1 Pit
Huntley Well No. 4 Site

Date Taken: 10-08-87 1500

Date Received: 10-09-87 1200

1,3-Dichlorobenzene	<1.0	ug/g
1,4-Dichlorobenzene	<1.0	ug/g
1,1-Dichloroethane	<1.0	ug/g
1,2-Dichloroethane	<1.0	ug/g
1,1-Dichloroethene	<1.0	ug/g
cis-1,2-Dichloroethene	<1.0	ug/g
trans-1,2-Dichloroethene	<1.0	ug/g
1,2-Dichloropropane	<1.0	ug/g
cis-1,3-Dichloropropene	<1.0	ug/g
trans-1,3-Dichloropropene	<1.0	ug/g
Ethyl benzene	<1.0	ug/g
Methylene chloride	<5.0	ug/g
1,1,2,2-Tetrachloroethane	<1.0	ug/g
Tetrachloroethene	<1.0	ug/g
Toluene	<1.0	ug/g

Results are on a dry weight basis.

William H. Mottashed, Manager
Bartlett Division

aqualab inc.

850 West Bartlett Road, Bartlett, Illinois 60103 312/289-3100

ANALYTICAL REPORT

Mr. Bruce Mack
BAXTER & WOODMAN INC.
8678 Ridgefield
Crystal Lake IL 60012

10-16-87

Sample No.: 52755

Sample Description: H-1 Pit
Huntley Well No. 4 Site

Date Taken: 10-08-87 1500

Date Received: 10-09-87 1200

1,1,1-Trichloroethane	<1.0	ug/g
1,1,2-Trichloroethane	<1.0	ug/g
Trichloroethene	<1.0	ug/g
Trichlorofluoromethane	<1.0	ug/g
Vinyl chloride	<10.	ug/g
Xylenes, Total	<1.0	ug/g

Results are on a dry weight basis.

William H. Mottashed, Manager
Bartlett Division

Document 1

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: February 8, 1988

TO: Division File

FROM: Mary Glynn, LPC FOS M.G.

SUBJECT: 1110355003/McHenry County
Huntley/Catty H.D. Corporation
ILT 1800121585
~~FOS~~ GW

Background on Contamination Incident

On October 8, 1987 personnel from the Village of Huntley Public Works were excavating a trench near the village's inactive well #4 to repair a broken valve. During the digging, strong solvent odors and discolored soils were observed. Soil samples were taken by Baxter & Woodman, Inc. on behalf of the village, Analysis revealed the presence of 13 compounds present in concentrations from 2.4 ug/g to 13.2 ug/g. (see enclosed analytical report)

The City alleges that this contamination might be coming from Catty Corporation, a neighboring plant whose raw material drum storage area is located approximately 10 ft from the trench excavated by the village. Village workers observed and have photographs of spills on the ground and over turned drums with the tops off.

On November 20, 1987 representatives from IEPA's LPC & PWS conducted a joint inspection at Catty. At this time, it was determined that the company was a generator subject to reduced requirements and only minor RCRA violations were found. It was noted that the raw material storage pad was diked and had a concrete base. The area surrounding the pad had fresh gravel. Violations cited during this inspection were resolved during a follow up inspection on February 4, 1988.

Summary of Meeting with Village Personnel

On February 4, 1988 a meeting was held to discuss the status of the contaminated soil area near the City of Huntley's well #4. The following persons were in attendance:

Mary Glynn	IEPA
Charles Gruntman	IEPA
Donald Schwegel	Baxter and Woodman Inc.
Bruce Mack	Baxter and Woodman Inc.
W. M. Hallock	Village of Huntley, Public Works
Steve Nimbar	Village of Huntley, Public Works
Roger Borowicz	Village of Huntley, Trustee

IL 532-0570

The well was installed in 1905 and is approximately 69 feet deep. Catty H.D. Corporation, whose property is adjacent to the well property has been operating since 1946. Between 1907 and 1946 this property was used as a creamery. At the time of this meeting, the well was still inactive and repairs on the broken valve have not been completed. The hole was not yet filled because the village was awaiting instructions on how to deal with the contamination.

Baxter and Woodman has material Safety Data Sheets from Catty Corporation that allegedly contain compounds that were found in the soil samples taken on October 8, 1987. They also have obtained photographs showing spills and overturned drums in Catty's raw material drum storage area. Since these photographs were taken, the storage pad that originally consisted of a wooden floor was diked and paved with concrete. The area surrounding the pad was regraveled.

Later that same day, IEPA Personnel and Bruce Mack of Baxter and Woodman went to the well site to observe the trench where contamination was discovered and to see what other businesses were in the area besides Catty. Although it was too cold to actually detect solvent odors in the trench, soil discoloration was evident.

Other nearby businesses include...

Dean Foods Company - Manufacturer of dairy products
- One block south of well property

Illinois Bell Relay Station - ½ block east of well property

Small retail shops - ½ block north of the well property

Farm Service Auto Supplies - ¼ block west of the well property
- There are several above ground storage tanks on this property.

FOS has submitted a request for the clean up objectives team (C.O.T.) to set objectives for this area.

MG:bj:99J

cc: McHenry Co. General
Region File
Tom Crause

Document 2

January 20, 1988

Mr. Dennis Newman
Project Manager
Illinois E.P.A.
P.O. Box 19276
Springfield, Ill. 62794

Re: H.D. Catty Facility in Huntley, Illinois

Dear Mr. Newman:

Please be advised that the legal owners of the H.D. Catty Corporation have been and are as follows:

1946 - 1964	The Catty family
1964 - 1983 (October 17)	The Krug family
1983 October 17 - 1986 May 2	International Foils, Inc.
1986 May 2 - 1986 December 31	Rostra Holdings, Inc. (An Ohio Corporation)
1986 December 31 - 1987 February 10	Rust Ventures L.P. Walter Rose John Strautnieks Joseph Aragona William McCusker
1987 February 10 - Present	H.D. Catty Corporation (Ronald Scott)

Yours truly,

John D. Strautnieks

JDS:bsh

Document 3

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: February 25, 1988

TO: Clean Up Objectives Teams . Paul Purseglove

FROM: Mary Glynn, LPC, FOS, Maywood M.G.

SUBJECT: 1110000000/McHenry County
Huntley/Well #4
Follow Up to Reguest Dated February 8, 1988

In a phone conversation with Paul Purseglove of F.O.S. the following requests were made on behalf of the clean-up objectives team.

1. Information on the make up of the materials stored on Catty's Corporations property.

I will bring these to the meeting anyone wants to look at them.

FOS has obtained Material Safety Data sheets for raw materials presently used at Catty. Copies of those sheets are enclosed with this report. Two of the products purchased by Catty contained methyl benzene which was also found in the soil sample taken on October 8, 1987. Per Bruce Mack of Baxter & Woodman, some of the contaminants found in the sample appear to be breakdown products from mineral spirits which are also used as raw materials by Catty. However a direct correlation between Cattys raw materials and contaminants found in the trench cannot be determined at this point.

2. RCRA Compliance Information on Catty Corporation see attached inspection reports dated November 20, 1987 and February 4, 1988.

3. Information on the depth of contamination in the tench.

The trench is 96" deep. The highest OVA reading occurred at a depth of 18". Significant soil discoloration was also observed at this depth. The sample that was taken was a composite sample taken at 12" intervals from a depth of 12" to the bottom of the trench.

4. Detection limits in Aqualab's Analysis.

Per Laurie Krebs of Aqualab the instruments used in their standard analysis do not have the same degree of sensitivity to all compounds. Thus, some detection limits will be higher than others. It is possible to go below these limits, but additional analysis and methods must be used.

5. Taking a sample from the well

Per Bruce Mack of Baxter & Woodman, the well would have to be repaired before a sample could be taken. Currently the well pipes are just below the bottom of the trench. The village would like to clean up any soil contamination before they proceed with the well repairs.

MG:bj:09

cc: Division File
Region File

SUMMARY

Catty Corporation Manufactures foil wrappings for the food industry.

The waste generated consists of waste ink mixed in with ethyl alcohol, normopropyl alcohol, ethyl acetate and MEK, which are used as thinning agents. In the past, this waste was misclassified as D001 but is actually F003/F005 due to the presence of ethyl acetate and MEK. The rate of generation is approximately 3 drums/month. It is sent to LWD in Calvert City Kentucky for incineration. Shipments usually occur every 6 months. There were 4 drums on site at the time of the inspection. The accumulation area is located in an old well house on the south end of the plant. There was also 1 satellite accumulation area in the main building.

Apparent Violations

722.111 - Slop solvents incorrectly determined to be D001. They are in fact a blend of F003, F005 and D001 substances.

722.134 - Satellite accumulation drum was stored open and had no markings to identify the contents.

- The following information was not posted by the telephones...

1. Name and phone # of Emergency coordinator.
2. Location of fire extinguishers and spill control equipment.
3. Telephone # of the fire department.

This company generates more than 100 kg/month of hazardous waste but less than 1000 kg/month and is therefore regulated as a generater subject to reduced requirements.

MG:bj:1027K

SUMMARY

On February 4, 1988 a follow up inspection resolved the following portions of the 722. 134 violation.

722.134 C (1) - Satellite accumulation drum was closed and had appropriate markings.

722.134 D (4) - The proper emergency information was posted by the telephone

This resolves all violations cited during the November 20, 1987 inspection. However, it has been determined that accumulating waste in the old well house on the south side of the property is a violation of Illinois Administrative Code Part 722.134 d(3). Because the potential exists for a direct transfer of hazardous waste to soil and groundwater, the company should immediatley locate an alternate hazardous waste accumulation area.

MG:lb

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY MEMORANDUM

Document 4

DATE: March 25, 1988

TO: Jim Janssen, Immediate Removal Unit

FROM: Glenn Savage, FOS GDS/PMP

SUBJECT: Village of Huntley/Catty H.D. Corporation

On October 8, 1987, personnel from the Village of Huntley were digging a trench near the Huntley public water supply well #4 to replace a broken valve. During the digging, a strong odor and discoloration of soil were observed. This trench is directly adjacent (10 feet) to a raw material drum storage area belonging to Catty. Most of the materials stored there were solvent-based inks. Workers observed spills on the ground and overturned drums with the tops removed.

A review of Catty's MSDS sheets revealed that the following chemicals were used:

Methyl Isobutyl Ketone
Toluene
Ethyl Alcohol
Methyl Alcohol
Naphtha
2-Ethoxyethanol
Dimethyl Ketone
Methyl Ethyl Ketone
Isopropyl Acetate
Isopropyl Alcohol
n-Propyl Acetate
Ethyl Acetate
n-Propyl Alcohol

Initial concern was for the public water supply; however, the well will have to be repaired before a sample can be taken. Village personnel are returning Well #4 to service but will not backfill the excavation until given the go-ahead by IEPA. At present, the extent of contamination is not known.

Well #4, completed in 1953, is 61 feet deep. The annulus between the bore hole and casing/screen is filled with clay fill from 0 to 28 feet and pea gravel and coarse sand from 28 to 61 feet.

When sampled, the excavation trench was 96 inches deep. The highest OVA readings were found at 18 inches. Significant soil discoloration was also observed at this depth. A composite soil sample taken at 12-inch intervals and analyzed shows organic contamination.

Because of the proximity to a public water supply well, the limited sampling conducted so far, and the lack of information concerning the extent of contamination, I am requesting that you investigate this site.

PMP:kls/d-1

cc: ~~Jim Frank~~
DLPC/FOS Maywood
Mary Glynn, Maywood

Document 5

DATE: May 16, 1988

TO: Division File

FROM: Steve Zebovitz

SUBJECT: Huntley Well No. 4 LPC #1110350008
Huntley/McHenry Co.
Technical Reports

On May 3, 1988, Dennis Newman and I took soil gas measurements, dug test pits, and collected soil samples from the subject site. We were assisted by Bruce Mack from Woodman & Baxter, the City of Huntley's engineering consultant. Bruce Mack brought an OVA and the equipment needed to take soil gas measurements. Soil gas measurements were taken according to the following procedure:

1) A ½-inch diameter plunger bar was driven approximately 4 feet into the ground and removed (see photo 1).
2) A 48-inch brass rod with perforations near the bottom was inserted into the existing hole. On the top end of the brass rod was a fitting which allowed a piece of Tygon tubing to be attached.
3) After the Tygon tubing was attached to the fitting on the brass rod, the OVA probe was connected to the other end of the tubing and a soil gas reading was taken (see photo 2). A fresh piece of Tygon tubing was used for each sample point.

By late morning, the site had been divided into grids and soil gas measurements were taken at seventeen points (see site sketch). Soil gas readings near the drum storage area bordering the site were the highest. Therefore, it was decided to dig four test pits in the vicinity of the drum storage area. Steve Nimbar, Director of Public Works for the City of Huntley, supplied a backhoe and crew to dig the test pits.

All four of the test pits were dug to a depth of approximately 6 feet, where groundwater was encountered. Locations of the test pits are shown in the attached site sketch. One sample was collected from each test pit. The location, sample depth and OVA reading at the sampling point is shown below.

SAMPLE	LOCATION	SAMPLE DEPTH	OVA READING AT SAMPLING POINT
X101	Test Pit 1	5 Feet	400 Units
X102	Test Pit 2	4.5 Feet	70 Units
X103	Test Pit 3	5 Feet	110 Units
X104	Test Pit 4	5 Feet	0 Units

Soil sample X101 will be analyzed for base neutrals and acid extractables, volatiles, and EP TOX metals. Samples X102, X103 and X104 will be analyzed for volatiles and base neutral and acid extractables.

The samples were put on ice, sealed in the sample cooler and given to Bruce Mack who transported the cooler to Baxter & Woodman's office in Crystal Lake, Illinois. Aqualab picked up the sample cooler from the Baxter & Woodman's offices on May 4, 1988.

cc: J.R. Ghia
DLPC-Maywood
Dennis Newman

HARZA ENGINEERING COMPANY CHICAGO	SUBJECT	PROJECT
		FILE NO.
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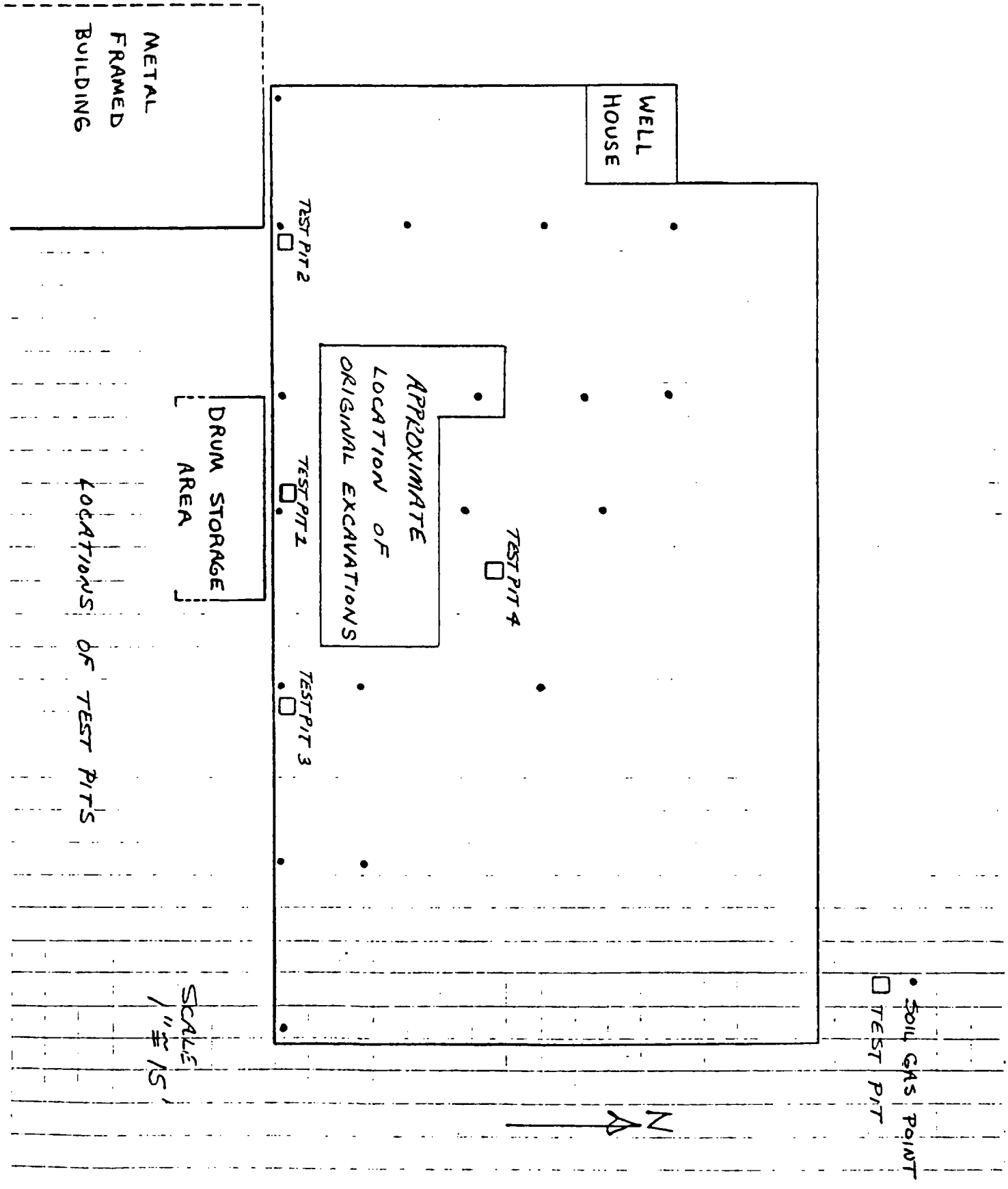

HARZA ENGINEERING COMPANY CHICAGO

PROJECT
FILE NO
DATE
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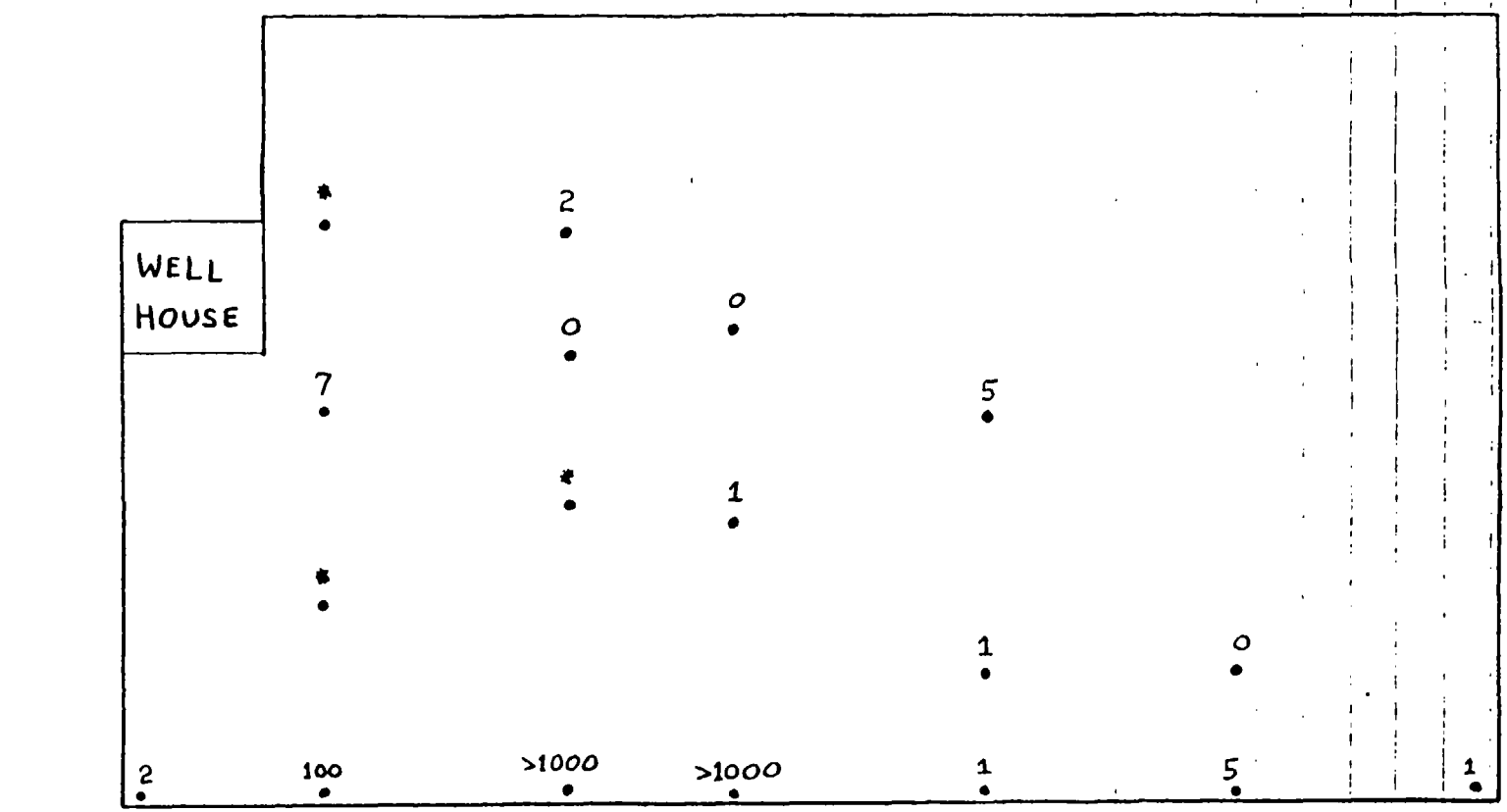
CHECKED

LEGEND

100 • - SOIL GAS SAMPLING POINT WITH TOTAL ORGANIC MEASUREMENT

* - NEGATIVE OVA READING



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SCALE 1" ≈ 15'

SITE SKETCH

Date: 5-3-88

Time: _____ A.M. P.M.

Photograph By:

STEVE ZEBOVITZ

Location: LPC-1110350008

MC HENRY Co.

HUNTLEY WELL #91 HUNTLEY

Comments: Photograph taken toward the NORTH. INSERTING THE PLUNGER BAR

PHOTO 1

Date: 5-3-88

Time: _____ A.M. P.M.

Photograph By:

STEVE ZEBOVITZ

Location: LPC-1110350008

MC HENRY Co.

HUNTLEY WELL #91 HUNTLEY

Comments: Photograph taken toward the ——. TAKING SOIL GAS READING.

PHOTO 2

Date: 5-3-88

Time: _____ A.M. P.M.

Photograph By:

STEVE ZEBOVITZ

Location: LPC-1110350008

Mc HENRY Co.

HUNTLEY WELL #4/ HUNTLEY

Comments: Photograph taken

toward the SOUTHEAST

VIEW OF DRUM STORAGE AREA

AND TEST PIT #1

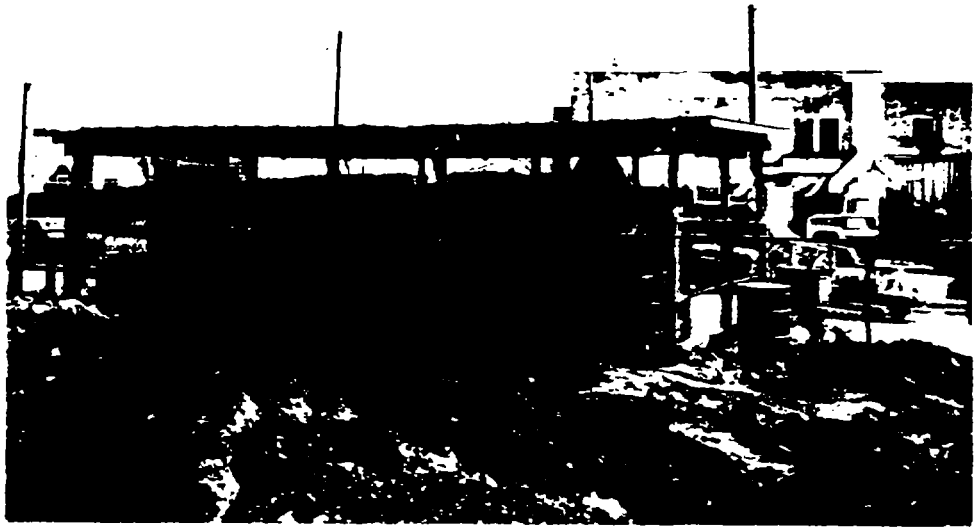

PHOTO 4

Date: 5-3-88

Time: _____ A.M. P.M.

Photograph By:

STEVE ZEBOVITZ

Location: LPC-1110350008

Mc HENRY Co.

HUNTLEY WELL #4/ HUNTLEY

Comments: Photograph taken

toward the SOUTHEAST

DRUM STORAGE AREA

PHOTO 5

Date: 5-3-88

Time: _____ A.M. P.M.

Photograph By:

STEVE ZEBONITZ

Location: LPC-111C350008

MC HENRY Co.

HUNTLEY WELL #91 HUNTLEY

Comments: Photograph taken

toward the WEST

PHOTO 3

Date: _____

Time: _____ A.M. P.M.

Photograph By:

_____

Location: LPC-

_____ Co.

_____ /

Comments: Photograph taken

toward the

_____

_____

Document 5 1110000000 / Kettleman

NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc.
Bartlett Division
850 West Bartlett Road
Bartlett, IL 60103
Tel: (312) 289-3100
Fax: 312-289-4180

Formerly: Aqualab, Inc.

Huntley well #4
S.I. Tech.

10 June 1988

Ms. Sue Doubet
IEPA
Division of Land Pollution
2200 Churchill Road
Springfield IL 62706

Dear Sue:

Enclosed is the final report submission for the Huntley Site project, Site Inventory #1110000000. These samples were received 04 May 1988 and analyzed for CLP volatile compounds, base neutral compounds and acid extractable compounds. Sample X101 (BT#62515) was also analyzed for E.P. Toxicity Metals. This package contains all applicable QA/QC data and is identified as QC Report #132.

If you have any questions regarding any of the enclosed material, please feel free to call.

Sincerely,

RECEIVED
JUN 14 1988
IEPA-DLP

AQUALAB INC.

Lorrie Krebs
PROJECT MANAGER

Encls.

NET NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc.
Bartlett Division
850 West Bartlett Road
Bartlett, IL 60103
Tel: (312) 289-3100
Fax: 312-289-4180

Formerly: Aqualab, Inc.

CASE NARRATIVE

DATE SAMPLES RECEIVED: 05/04/88

QC PACKAGE: #132

SITE NAME: Huntley Well #4

Lab ID Nos.: 62515, 62516, 62517, 62518

IEPA ID Nos.: X101, X102, X103, X104

Volatile Analyses, Base Neutral Analyses, and Acid Analyses

Due to high concentrations of target and non-target compounds in sample X101 (BT# 62515), the volatile analysis was performed at a medium level. The base neutral/acid extractable fraction of the same sample was analyzed at a 10x dilution.

Due to matrix interferences in sample X103 (BT# 62517), the base neutral/acid extractable fraction was diluted to a final volume of 5 ml. A multiplier of 5 was applied to the sample detection limits.

CHEMICAL ANALYSIS FORM
Contract Laboratory Service

BT62515

X101

Lab Measurements Constituent description and required unit of measure	Storet Number	Remarks see Inst.	Repl App	> or <	Value ug/L or ug/G	Digits to L or R	L or R of decimal
EP TOX - Arsenic	34	s/u		<	20.	1	L
EP TOX - Barium		>			330.	2	L
EP TOX - Cadmium		s/u		<	10.	1	L
EP TOX - Chromium		s/u		<	20.	1	L
EP TOX - Lead		s/u		<	20.	1	L
EP TOX - Mercury		s/u		<	1.	1	R
EP TOX - Selenium		s/u		<	20.	1	L
EP TOX - Silver		s/u		<	20.	1	L

Footnotes: For reporting results to the REPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page.

Comments: _____

~~Lab manager~~ Project Manager Janice Tibbs

0017

VOLATILE ORGANICS ANALYSIS DATA SHEET

[redacted]

Lab Name: NET Midwest Bartlett Contract: IEPA

Lab Code: 00000 Case No.: 000 SAS No.: 0000 SDG No.: 000000

Matrix: (soil/water) SOIL Lab Sample ID: BT #62515

Sample wt/vol: [illegible] (g/mL) Lab File ID: A5619

Level: (low/med) MEDIUM Date Received: 05/17/88

% Moisture: not dec. 23.05 Date Analyzed: 5/31/88

Column: (pack/cap) CAP Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/G	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene_Chloride	1.0	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
540-59-0	1,2-cis-Dichloroethene	1.0	U
540-59-0	1,2-trans-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
107-02-2	1,2-Dichloroethane	1.0	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	1,3-cis-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
71-43-2	Benzene	1.0	U
10061-02-6	1,3-trans-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.9	U
100-42-5	Styrene	1.0	U
133-02-7	m&p-Xylene	10.6	U
133-02-7	o-Xylene	1.0	U

X101

Lab Name: NET Midwest Bartlett Contract: 000 IEPA

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: BT#62515

Sample wt/vol: 7.28 mg (g / mL) Lab File ID: >A5619

Level: (low/med) MEDIUM Date Received: 5/17/88

% Moisture: not dec. 23.05 dec. ____ Date Analyzed: 5/31/88

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 13

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/g

	CAS NUMBER	COMPOUND NAME	RT	EST CONC.	Q
1.	95636	TRIMETHY BENZENE (ISOMER)	13.42	11.	J
2.	95636	TRIMETHYL BENZENE (ISOMER)	13.81	20.	J
3.	1074437	METHYL PROPYL BENZENE	14.33	11.	J
4.		ETHYL DIMETHYL BENZENE	14.62	18.	J
5.		ETHYL DIMETHYL BENZENE	14.99	17.	J
6.		ETHYL DIMETHYL BENZENE	15.09	30.	J
7.	95932	TETRAMETHYL BENZENE (ISOMER)	15.66	16.	J
8.	95932	TETRAMETHYL BENZENE (ISOMER)	15.75	32.	J
9.	3290537	METHYL PROPENYL BENZENE	16.47	61.	J
10.	700129	PENTAMETHYL BENZENE	16.67	11.	J
11.	2049958	DIMETHYL PROPYL BENZENE	16.83	13.	J
12.		UNKNOWN AROMATIC M=162	18.09	14.	J
13.	6682719	2,3-DIHYDRO-4,7-DIMETHYL-1H-INDENE	19.44	31.	J
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					

IEPA

SOIL

15.04 (5) mL

LOW

23.05

5/11/88

CONT.

N

CONCENTRATION UNITS:

1.	C	Benzene, ethyl-			
2.	C	Benzene, ethyl-			
3.		Nonane (mixed)			
4.		Octane, 2,2-dimethyl-			
5.		Benzene, methyl-methyl-			
6.		Benzene, trimethyl-			
7.		Decane, methyl- (mixed)			

* MATRIX INTERFERENCES - SAMPLE WILL BE RE-ANALYZED AT A DILUTION

[redacted]

Lab Name: NET Midwest Bartlett   Contract: ____________

Lab Code: 00000   Case No.: 0000   SAS No.: 0000   SDG No.: 000000

Matrix: (soil/water) SOIL   Lab Sample ID: BT #E09180L

Sample wt/vol: [illegible]   Lab File ID: [illegible]

Level: (low/med) LOW   Date Received: [illegible]

% Moisture: not dec. __ [illegible] dec. ____   Date Extracted: [illegible]

Extraction: (SepF/Cont/Sonc) CONT   Date Analyzed: [illegible]

GPC Cleanup: (Y/N) N   pH: 0.0   Dilution Factor: 10

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	3300.	U
111-44-4	bis(2-Chloroethyl)ether	3300.	U
95-57-8	2-Chlorophenol	3300.	U
541-73-1	1,3-Dichlorobenzene	3300.	U
106-46-7	1,4-Dichlorobenzene	3300.	U
100-51-6	Benzyl alcohol	3300.	U
95-50-1	1,2-Dichlorobenzene	3300.	U
95-48-7	2-Methylphenol	3300.	U
39638-32-9	bis(2-chloroisopropyl)ether	3300.	U
106-44-5	4-Methylphenol	3300.	U
621-64-7	N-Nitroso-Di-n-propylamine	3300.	U
67-72-1	Hexachloroethane	3300.	U
98-95-3	Nitrobenzene	3300.	U
78-59-1	Isophorone	3300.	U
88-75-5	2-Nitrophenol	3300.	U
105-67-9	2,4-Dimethylphenol	3300.	U
65-85-0	Benzoic acid	17000.	U
111-91-1	bis(2-Chloroethoxy)Methane	3300.	U
120-83-2	2,4-Dichlorophenol	3300.	U
120-82-1	1,2,4-Trichlorobenzene	3300.	U
91-20-3	**Naphthalene**	**18900**	
106-47-8	4-Chloroaniline	3300.	U
87-68-3	Hexachlorobutadiene	3300.	U
59-50-7	4-Chloro-3-Methylphenol	3300.	U
91-57-6	**2-Methylnaphthalene**	**133000**	
77-47-4	Hexachlorocyclopentadiene	3300.	U
88-06-2	2,4,6-Trichlorophenol	3300.	U
95-95-4	2,4,5-Trichlorophenol	17000.	U
91-58-7	2-Chloronaphthalene	3300.	U
88-74-4	2-Nitroaniline	17000.	U
131-11-3	Dimethyl Phthalate	3300.	U
208-96-8	Acenaphthylene	3300.	U
606-20-2	2,6-Dinitrotoluene	3300.	U

FORM I SV-1   1/87 Rev.

X101DL

Lab Name: NET Midwest Bartlett Contract: ____________

Lab Code: 00000 Case No.: 0000 SAS No.: 0000 SDG No.: 000000

Matrix: (soil/water) SOIL Lab Sample ID: ET #[illegible]SOIL

[illegible] ____________ [illegible]

Level: (low/med) LOW Date Received: 05/24/[illegible]

% Moisture: not dec. ________ dec. ____ Date Extracted: 05/[illegible]

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 6/0[illegible]/[illegible]

GPC Cleanup: (Y/N) N pH: 2.0 Dilution Factor: 10

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	Concentration	Q
99-09-2	3-Nitroaniline	17000.	U
83-32-9	Acenaphthene	8100.	
51-28-5	2,4-Dinitrophenol	17000.	U
100-02-7	4-Nitrophenol	17000.	U
132-64-9	Dibenzofuran	8000.	
121-14-2	2,4-Dinitrotoluene	3300.	U
84-66-2	Diethylphthalate	3300.	U
7005-72-3	4-Chlorophenyl_phenyl_ether	3300.	U
86-73-7	Fluorene	7500.	
100-01-6	4-Nitroaniline	17000.	U
534-52-1	4,6-Dinitro-2-Methylphenol	17000.	U
86-30-6	N-Nitrosodiphenylamine	3300.	U
101-55-3	4-Bromophenyl_phenyl_ether	3300.	U
118-74-1	Hexachlorobenzene	3300.	U
87-86-5	Pentachlorophenol	17000.	U
85-01-8	Phenanthrene	15000.	
120-12-7	Anthracene	3300.	U
84-74-2	Di-n-butylphthalate	3300.	U
206-44-0	Fluoranthene	3300.	U
129-00-0	Pyrene	3300.	U
85-68-7	Butylbenzylphthalate	3300.	U
91-94-1	3,3'-Dichlorobenzidine	6600.	U
56-55-3	Benz(a)anthracene	3300.	U
218-01-9	Chrysene	3300.	U
117-81-7	bis(2-ethylhexyl)phthalate	3300.	U
117-84-0	Di-n-octylphthalate	3300.	U
205-99-2	Benzo(b)fluoranthene	3300.	U
207-08-9	Benzo(k)fluoranthene	3300.	U
50-32-8	Benzo(a)pyrene	3300.	U
193-39-5	Indeno(1,2,3-cd)pyrene	3300.	U
53-70-3	Dibenz(a,h)anthracene	3300.	U
191-24-2	Benzo(g,h,i)perylene	3300.	U

(1) - Cannot be separated from Diphenylamine

SOIL

15.04

LOW

23.05

CONT

N

5/11/88

10

ug/kg

ug/g

	unk.	19.
	ethyl	29.
	unk.	22.
	unknown	16.

VOLATILE ORGANICS ANALYSIS DATA SHEET

X102

Lab Name:NET Midwest Bartlett Contract:IEPA HUNTLEY

Lab Code: 00000 Case No.: 000 SAS No.: 0000 SDG No.: 000000

Matrix: (soil/water) SOIL Lab Sample ID: BT #62516

Sample wt/vol: 5.05 (g/mL) G Lab File ID: A5B1E

Level: (low/med) LOW Date Received: 05/17/88

% Moisture: not dec. 25.19 Date Analyzed: 5/31/88

Column: (pack/cap) CAP Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg ppb	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene_Chloride	17.	B
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-cis-Dichloroethene	5.	U
540-59-0	1,2-trans-Dichloroethene	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	13.	
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	1,3-cis-Dichloropropene	5.	U
79-01-6	Trichloroethene	6.	
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	1,3-trans-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	m&p-Xylene	17	
133-02-7	o-Xylene	19.	

Lab Name: NET Midwest Bartlett Contract: 000 /EPA -X102

Lab Code: _____ Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: BT#62516

Sample wt/vol: 3.85 (g / mL) Lab File ID: >A5616

Level: (low/med) LOW Date Received: 5/17/88

% Moisture: not dec. 25.19 dec.____ Date Analyzed: 5/31/88

Column: (pack/cap) CAP Dilution Factor: 1

Number TICs found: 7

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST CONC.	Q
1.	638040	1,3-DIMETHYL CYCLOHEXANE-CIS	11.36	18.	J
2.	6876239	1,2-DIMETHYL CYCLOHEXANE	11.61	15.	J
3.	638040	1,3-DIMETHYL CYCLOHEXANE-TRANS	11.69	5.	J
4.	3221612	2-METHYL OCTANE	11.88	4.	J
5.		TRIMETHYL CYCLOHEXANE (ISOMER)	11.98	27.	J
6.	1678917	ETHYL CYCLOHEXANE	12.02	6.	J
7.		ETHYL METHYL CYCLOHEXANE (ISOMER)	12.83	6.	J
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X102

Lab Name: NET Midwest Bartlett Contract: IEPA

Lab Code: 00000 Case No.: 0000 SAS No.: 0000 SDG No.: 000000

Matrix: (soil/water) SOIL Lab Sample ID: BT #62516

Sample wt/vol: 15.44 g/mL G Lab File ID: D30F7

Level: (low/med) LOW Date Received: 05/04/88

% Moisture: not dec. 25.19 dec. ____ Date Extracted: 05/11/88

Extraction: (Sepf/Cont/Sonc) CONT Date Analyzed: 6/02/88

GPC Cleanup: (Y/N) N pH: 0.0 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	330.	U
111-44-4	Bis(2-chloroethyl)ether	330.	U
95-57-8	2-Chlorophenol	330.	U
541-73-1	1,3-Dichlorobenzene	330.	U
106-46-7	1,4-Dichlorobenzene	330.	U
100-51-6	Benzyl alcohol	330.	U
95-50-1	1,2-Dichlorobenzene	330.	U
95-48-7	2-Methylphenol	330.	U
39638-32-9	bis(2-chloroisopropyl)ether	330.	U
106-44-5	4-Methylphenol	330.	U
621-64-7	N-Nitroso-Di-n-propylamine	330.	U
67-72-1	Hexachloroethane	330.	U
98-95-3	Nitrobenzene	330.	U
78-59-1	Isophorone	330.	U
88-75-5	2-Nitrophenol	330.	U
105-67-9	2,4-Dimethylphenol	330.	U
65-85-0	Benzoic acid	1700.	U
111-91-1	bis(2-Chloroethoxy)Methane	330.	U
120-83-2	2,4-Dichlorophenol	330.	U
120-82-1	1,2,4-Trichlorobenzene	330.	U
91-20-3	Naphthalene	330.	U
106-47-8	4-Chloroaniline	330.	U
87-68-3	Hexachlorobutadiene	330.	U
59-50-7	4-Chloro-3-Methylphenol	330.	U
91-57-6	2-Methylnaphthalene	330.	U
77-47-4	Hexachlorocyclopentadiene	330.	U
88-06-2	2,4,6-Trichlorophenol	330.	U
95-95-4	2,4,5-Trichlorophenol	1700.	U
91-58-7	2-Chloronaphthalene	330.	U
88-74-4	2-Nitroaniline	1700.	U
131-11-3	Dimethyl Phthalate	330.	U
208-96-8	Acenaphthylene	330.	U
606-20-2	2,6-Dinitrotoluene	330.	U

X102

Lab Name:NET Midwest Bartlett Contract: IEPA

Lab Code: 00000 Case No.: 0000 SAS No.: 0000 SDG No.: 000000

Matrix: (soil/water) SOIL Lab Sample ID: PT #B3516

Sample wt/vol: 15.44 (g/mL) G Lab File ID: B3857

Level: (low/med) LOW Date Received: 05/04/88

% Moisture: not dec. 25.19 dec. ____ Date Extracted:05/11/88

Extraction: (Sepf/Cont/Sonc) CONT Date Analyzed: 6/02/88

GPC Cleanup: (Y/N) N pH:0.0 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	1700.	U
83-32-9	Acenaphthene	330.	U
51-28-5	2,4-Dinitrophenol	1700.	U
100-02-7	4-Nitrophenol	1700.	U
132-64-9	Dibenzofuran	330.	U
121-14-2	2,4-Dinitrotoluene	330.	U
84-66-2	Diethyl Phthalate	330.	U
7005-72-3	4-Chlorophenyl_phenyl_ether	330.	U
86-73-7	Fluorene	330.	U
100-01-6	4-Nitroaniline	1700.	U
534-52-1	4,6-Dinitro-2-Methylphenol	1700.	U
86-30-6	N-Nitrosodiphenylamine (1)	330.	U
101-55-3	4-Bromophenyl_phenyl_ether	330.	U
118-74-1	Hexachlorobenzene	330.	U
87-86-5	Pentachlorophenol	1700.	U
85-01-8	Phenanthrene	330.	U
120-12-7	Anthracene	330.	U
84-74-2	Di-n-butylphthalate	330.	U
206-44-0	Fluoranthene	330.	U
129-00-0	Pyrene	330.	U
85-68-7	Butylbenzylphthalate	330.	U
91-94-1	3,3'-Dichlorobenzidine	660.	U
56-55-3	Benz(a)anthracene	330.	U
218-01-9	Chrysene	330.	U
117-81-7	bis(2-ethylhexyl)phthalate	330.	U
117-84-0	Di-n-octylphthalate	330.	U
205-99-2	Benzo(b)fluoranthene	330.	U
207-08-9	Benzo(k)fluoranthene	330.	U
50-32-8	Benzo(a)pyrene	330.	U
193-39-5	Indeno(1,2,3-cd)pyrene	330.	U
53-70-3	Dibenz(a,h)anthracene	330.	U
191-24-2	Benzo(g,h,i)perylene	330.	U

(1) - Cannot be separated from Diphenylamine

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: X102

Lab Name: Aqualab Inc. Bartlett Contract: IEPA

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: BT #62516

Sample wt/vol: 15.44 (g) mL Lab File ID: >02053

Level: (low/med) LOW Date Received: 5/4/88

% Moisture: not dec. 25.19 dec. ____ Date Extracted: 5/11/88

Extraction: (sepF/Cont/Sonc) CONT Date Analyzed: 6/02/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) _____

	CAS NUMBER	COMPOUND NAME	RT	EST CONC.	Q
1.		NO NON-TARGET COMPOUNDS			
2.		>10% NEAREST ISTD.			
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X103

Lab Name:NET Midwest Bartlett Contract:IEPA HUNTLEY

Lab Code: 00000 Case No.: 000 SAS No.: 0000 SDG No.: 000000

Matrix: (soil/water) SOIL Lab Sample ID: BT #62517

Sample wt/vol: 4.70 (g/mL) G Lab File ID: A5817

Level: (low/med) LOW Date Received: 05/17/88

% Moisture: not dec. 18.6 Date Analyzed: 5/31/88

Column: (pack/cap) CAP Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	9.	B
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-cis-Dichloroethene	5.	U
540-59-0	1,2-trans-Dichloroethene	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	1,3-cis-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	1,3-trans-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	m&p-Xylene	5.	U
133-02-7	o-Xylene	5.	U

Lab Name: NET Midwest Bartlett Contract: 000 IEPA -X103

Lab Code: _____ Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: BT#62517

Sample wt/vol: 4.70 (g/mL) Lab File ID: >A5617

Level: (low/med) LOW Date Received: 5/17/88

% Moisture: not dec. 18.61 dec.____ Date Analyzed: 5/31/88

Column: (pack/cap) CAP Dilution Factor: 1

Number TICs found: _____

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST CONC.	Q
1.	67641	2-PROPANONE	7.64	4.	J
2.	20536407	ENDO/ISOCAMPHANE	13.60	2.	J
3.	20536407	ENDO/ISOCAMPHANE	13.71	8.	J
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X103

Lab Name: NET Midwest Bartlett   Contract: IEPA

Lab Code: 00000   Case No.: 0000   SAS No.: 0000   SDG No.: 000000

Matrix: (soil/water) SOIL   Lab Sample ID: [illegible]

[illegible] 16.03   [illegible]

[illegible]   Date Received: [illegible]

Moisture: not dec. 18.61   dec. ___   Date Extracted: [illegible]

Extraction: (SepF/Cont/Sonc) CONT   Date Analyzed: [illegible]

GPC Cleanup: (Y/N) N   pH: [illegible]   Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) [illegible]	Q
108-95-2	Phenol	1650.	U
111-44-4	bis(2-Chloroethyl)ether	1650.	[illegible]
95-57-8	2-Chlorophenol	1650.	[illegible]
541-73-1	1,3-Dichlorobenzene	1650.	[illegible]
106-46-7	1,4-Dichlorobenzene	1650.	U
100-51-6	Benzyl alcohol	1650.	U
95-50-1	1,2-Dichlorobenzene	1650.	U
95-48-7	2-Methylphenol	1650.	U
39638-32-9	bis(2-chloroisopropyl)ether	1650.	[illegible]
106-44-5	4-Methylphenol	1650.	[illegible]
621-64-7	N-Nitroso-Di-n-propylamine	1650.	[illegible]
67-72-1	Hexachloroethane	1650.	[illegible]
98-95-3	Nitrobenzene	1650.	U
78-59-1	Isophorone	1650.	[illegible]
88-75-5	2-Nitrophenol	1650.	U
105-67-9	2,4-Dimethylphenol	1650.	U
65-85-0	Benzoic acid	8500.	U
111-91-1	bis(-2-Chloroethoxy)Methane	1650.	U
120-83-2	2,4-Dichlorophenol	1650.	U
120-82-1	1,2,4-Trichlorobenzene	1650.	U
91-20-3	Naphthalene	1650.	U
106-47-8	4-Chloroaniline	1650.	U
87-68-3	Hexachlorobutadiene	1650.	U
59-50-7	4-Chloro-3-Methylphenol	1650.	U
91-57-6	2-Methylnaphthalene	1650.	U
77-47-4	Hexachlorocyclopentadiene	1650	[illegible]
88-06-2	2,4,6-Trichlorophenol	1650	[illegible]
95-95-4	2,4,5-Trichlorophenol	8500	[illegible]
91-58-7	2-Chloronaphthalene	1650	[illegible]
88-74-4	2-Nitroaniline	8500.	[illegible]
131-11-3	Dimethyl Phthalate	1650.	[illegible]
208-96-8	Acenaphthylene	1650	[illegible]
606-20-2	2,6-Dinitrotoluene	1650	[illegible]

x103

Lab Name: NET Midwest Bartlett Contract: IEPA

Lab Code: 00000 Case No.: 0000 SAS No.: 0000 SDG No.: 000000

[illegible] Water [illegible] Lab Sample ID: [illegible]

[illegible] 1603

[illegible]

% Moisture: [illegible] dec. 18.61 dec. Date Extracted: [illegible]

Extraction: (Sepf/Cont/Sonc) CONT Date Analyzed: [illegible]

GPC Cleanup: (Y/N) N pH: 0.0 Dilution Factor: [illegible]

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-09-2	3-Nitroaniline	8500.	
83-32-9	Acenaphthene	1650.	U
51-28-5	2,4-Dinitrophenol	8500.	U
100-02-7	4-Nitrophenol	8500.	U
132-64-9	Dibenzofuran	1650.	U
121-14-2	2,4-Dinitrotoluene	1650.	U
84-66-2	Diethyl Phthalate	1650.	U
7005-72-3	4-Chlorophenyl phenyl ether	1650.	U
86-73-7	Fluorene	1650.	U
100-01-6	4-Nitroaniline	8500.	U
534-52-1	4,6-Dinitro-2-Methylphenol	8500.	U
86-30-6	N-Nitrosodiphenylamine (1)	1650.	U
101-55-3	4-Bromophenyl phenyl ether	1650.	U
118-74-1	Hexachlorobenzene	1650	U
87-86-5	Pentachlorophenol	8500.	U
85-01-8	Phenanthrene	1650.	U
120-12-7	Anthracene	1650.	U
84-74-2	Di-n-butylphthalate	1650.	U
206-44-0	Fluoranthene	1650.	U
129-00-0	Pyrene	1650.	U
85-68-7	Butylbenzylphthalate	1650.	U
91-94-1	3,3'-Dichlorobenzidine	3300.	U
56-55-3	Benz(a)anthracene	1650.	U
218-01-9	Chrysene	1650.	U
117-81-7	bis(2-ethylhexyl)phthalate	1650.	U
117-84-0	Di-n-octylphthalate	1650.	U
205-99-2	Benzo(b)fluoranthene	1650	
207-08-9	Benzo(k)fluoranthene	1650	
50-32-8	Benzo(a)pyrene	1650	
193-39-5	Indeno(1,2,3-cd)pyrene	1650.	
53-70-3	Dibenz(a,h)anthracene	1650	
191-24-2	Benzo(g,h,i)perylene	1650	

(1) - Cannot be separated from Diphenylamine

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.: X103

Lab Name: Aqualab Inc. Bartlett Contract: IEPA

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: BT#62517

Sample wt/vol: 16.03 (g) mL Lab File ID: >D2C54

Level: (low/med) LOW Date Received: 5/4/88

% Moisture: not dec. 18.6 dec. ____ Date Extracted: 5/11/88

Extraction: (sepF/Cont/Sonc) CONT Date Analyzed: 6/2/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.5

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST CONC.	Q
1.		NO NON-TARGET COMPOUNDS			
2.		>10% OF NEAREST ISTD.			
3.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

X104

Lab Name: NET Midwest Bartlett Contract: IEPA

Lab Code: 00000 Case No.: 000 SAS No.: 0000 SDG No.: 000000

Matrix: (soil/water) SOIL Lab Sample ID: BT #62518

Sample wt/vol: 5.55 (g)/mL Lab File ID: A5B18

Level: (low/med) LOW Date Received: 05/17/88

% Moisture: not dec. 21.58 Date Analyzed: 5/31/88

Column: (pack/cap) CAP Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-cis-Dichloroethene	5.	U
540-59-0	1,2-trans-Dichloroethene	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	1,3-cis-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	1,3-trans-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	m&p-Xylene	5.	U
133-02-7	o-Xylene	5.	U

-X104

Lab Name: NET Midwest Bartlett Contract: 000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: BT #62518

Sample wt/vol: 5.55 (g/mL) Lab File ID: >A5618

Level: (low/med) LOW Date Received: 5/17/89

% Moisture: not dec. 21.58 dec. ____ Date Analyzed: 5/31/89

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: Ø

CONCENTRATION UNITS:

(ug/L or ug/Kg) _____

	CAS NUMBER	COMPOUND NAME	RT	EST CONC.	Q
1.		NO NON-TARGET COMPOUNDS >			
2.		10% OF NEAREST ISTD.			
3.					
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X104

Lab Name: NET Midwest Bartlett Contract: IEPA

Lab Code: 00000 Case No.: 0000 SAS No.: 0000 SDG No.: 000000

Matrix: (soil/water) SOIL Lab Sample ID: BT #62518

Sample wt/vol: 16.86 (g/mL) G Lab File ID: D2055

Level: (low/med) LOW Date Received: 05/04/88

% Moisture: not dec. 21.58 dec. ____ Date Extracted: 05/11/88

Extraction: (Sepf/Cont/Sonc) CONT Date Analyzed: 6/02/88

GPC Cleanup: (Y/N) N pH: 0.0 Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	330.	U
111-44-4	Bis(2-chloroethyl)ether	330.	U
95-57-8	2-Chlorophenol	330.	U
541-73-1	1,3-Dichlorobenzene	330.	U
106-46-7	1,4-Dichlorobenzene	330.	U
100-51-6	Benzyl alcohol	330.	U
95-50-1	1,2-Dichlorobenzene	330.	U
95-48-7	2-Methylphenol	330.	U
39638-32-9	bis (2-chloroisopropyl)ether	330.	U
106-44-5	4-Methylphenol	330.	U
621-64-7	N-Nitroso-Di-n-propylamine	330.	U
67-72-1	Hexachloroethane	330.	U
98-95-3	Nitrobenzene	330.	U
78-59-1	Isophorone	330.	U
88-75-5	2-Nitrophenol	330.	U
105-67-9	2,4-Dimethylphenol	330.	U
65-85-0	Benzoic acid	1700.	U
111-91-1	bis(-2-Chloroethoxy)Methane	330.	U
120-83-2	2,4-Dichlorophenol	330.	U
120-82-1	1,2,4-Trichlorobenzene	330.	U
91-20-3	Naphthalene	330.	U
106-47-8	4-Chloroaniline	330.	U
87-68-3	Hexachlorobutadiene	330.	U
59-50-7	4-Chloro-3-Methylphenol	330.	U
91-57-6	2-Methylnaphthalene	330.	U
77-47-4	Hexachlorocyclopentadiene	330.	U
88-06-2	2,4,6-Trichlorophenol	330.	U
95-95-4	2,4,5-Trichlorophenol	1700.	U
91-58-7	2-Chloronaphthalene	330.	U
88-74-4	2-Nitroaniline	1700.	U
131-11-3	Dimethyl Phthalate	330.	U
208-96-8	Acenaphthylene	330.	U
606-20-2	2,6-Dinitrotoluene	330.	U

[illegible] ANALYSIS DATA SHEET

X104

Lab Name: NET Midwest Bartlett Contract: IEPA

Lab Code: 00000 Case No.: 0000 SAS No.: 0000 SDG No.: 000000

Matrix: (soil/water) SOIL Lab Sample ID: [illegible]

[illegible] 16.86 [illegible] Lab File ID: [illegible]

Level: (low/med) LOW Date Received: [illegible]

% Moisture: not dec. 2158 dec. ____ Date Extracted: [illegible]

Extraction: (Sepf/Cont/Sonc) CONT Date Analyzed: 6/02/89

GPC Cleanup: (Y/N) N pH: 0.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1700.	U
83-32-9	Acenaphthene	330.	U
51-28-5	2,4-Dinitrophenol	1700.	U
100-02-7	4-Nitrophenol	1700.	U
132-64-9	Dibenzofuran	330.	U
121-14-2	2,4-Dinitrotoluene	330.	U
84-66-2	Diethyl Phthalate	330.	U
7005-72-3	4-Chlorophenyl_phenyl_ether	330.	U
86-73-7	Fluorene	330.	U
100-01-6	4-Nitroaniline	1700.	U
534-52-1	4,6-Dinitro-2-Methylphenol	1700.	U
86-30-6	N-Nitrosodiphenylamine (1)	330.	U
101-55-3	4-Bromophenyl_phenyl ether	330.	U
118-74-1	Hexachlorobenzene	330.	U
87-86-5	Pentachlorophenol	1700.	U
85-01-8	Phenanthrene	330.	U
120-12-7	Anthracene	330.	U
84-74-2	Di-n-butylphthalate	330.	U
206-44-0	Fluoranthene	330.	U
129-00-0	Pyrene	330.	U
85-68-7	Butylbenzylphthalate	330.	U
91-94-1	3,3'-Dichlorobenzidine	660.	U
56-55-3	Benz(a)anthracene	330.	U
218-01-9	Chrysene	330.	U
117-81-7	bis(2-ethylhexyl)phthalate	330.	U
117-84-0	Di-n-octylphthalate	330.	U
205-99-2	Benzo(b)fluoranthene	330.	U
207-08-9	Benzo(k)fluoranthene	330.	U
50-32-8	Benzo(a)pyrene	330.	U
193-39-5	Indeno(1,2,3-cd)pyrene	330.	U
53-70-3	Dibenz(a,h)anthracene	330.	U
191-24-2	Benzo(g,h,i)perylene	330.	U

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

X104

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Aqualab Inc. Bartlett Contract: IEPA

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: BT # 6251E

Sample wt/vol: 16.86 (g) Lab File ID: >D2055

Level: (low/med) LOW Date Received: 5/4/88

% Moisture: not dec. 21.58 dec. _____ Date Extracted: 5/11/88

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 6/2/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST CONC.	Q
1.	57885	(3.beta.)-CHOLEST-5-EN-3-OL	42.87	980.	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					

CHAIN OF CUSTODY

Seal #: 3491

Date Sealed: 5/2/88 By: AW

Facility
Name: HUNTLEY WELL #4 — Site Inventory #: 1110000090
Region: MAYWOOD — Site Billing Code: LF-52468
County: MC HENRY — Project Manager: DENNIS NEWMAN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
62515	X101	5-3-88	1 45 PM

Sample Appearance: GREEN CLAY

Additional Comments:

Sample Signature: Steve Zebovitz Division/Company: DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERED (Y/N)	Date	Time
1	5	32oz	----	BNA			
2	12	2oz	----	VOA			
1	5	32oz		EP TOX METALS			

CHAIN OF CUSTODY DEFINICIE

Opened By (print): STEVE ZEBOVITZ Signature: Steve Zebovitz

Date: MAY 3 1988 Time: 11:40 AM Seal #: 3491

Relinquished By (print): STEVE ZEBOVITZ Signature: Steve Zebovitz

Date: 5-3-88 Time: 3:30 PM Seal #: 3492

Received By (print): BRUCE MACK - BAXTER WOODMAN LFK aqualab/NET 5/4/

Courier - sample delivery: BRUCE MACK TO SEKO TO AQUALAB

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): L.F. KREBS Signature: L.F. Krebs

Date: 5/4/88 Time: 2^00 Seal #: 3492 Intact?: Y / N

Lab Name: AQUALAB Comments:

CHAIN OF CUSTODY

Seal #: 3491

Date Sealed: 5/2/88 By: AW

Facility
Name : HUNTLEY WELL #4
Region: MAYWOOD
County: MC HENRY

Site Inventory # : 1110000000
Site Billing Code: LF-52465
Project Manager : DENNIS NEWMAN

LABORATORY #	SAMPLE I.D	SAMPLE DATE	SAMPLE TIME
	X102	5-3-88	2:00 PM

Sample Appearance: DARK BLACK OILY CLAY

Additional Comments:

Sample Signature: Steve Zebovitz Division/Company: DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERED (Y/N) Date Time
1	5	32oz	----	BNA	
2	12	2oz	----	VOA	

CHAIN OF CUSTODY CHRONICLE

Received by (print): STEVE ZEBOVITZ Signature: Steve Zebovitz

Date: MAY 3 1988 Time: 11:40 AM Seal #: 3491 Intact? (Y) / N

Relinquished by (print): STEVE ZEBOVITZ Signature: Steve Zebovitz

Date: 5-3-88 Time: 3:30 Seal #: 3492

Received by sample courier: BRUCE MACK OF BAXTER&WOODMAN LFK-AQUALAB/NET

Courier - sample delivery: BRUCE MACK TO SEKO TO AQUALAB

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): L.F. KRebs Signature: L.F. Krebs

Date: 5/4/88 Time: 2^00 Seal #: 3492 Intact?: (Y) / N

Lab Name: AQUALAB Comments:

CHAIN OF CUSTODY

Seal #: 3491

Date Sealed: 5/2/88 By: AW

Facility
Name: HUNTLEY WELL #4 — Site Inventory #: 1110000030
Region: MAYWOOD — Site Billing Code: P-52455
County: MC HENRY — Project Manager: DENNIS NEWMAN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X103	5-3-88	2:30PM

Sample Appearance: GREEN AND BLACK CLAY

Collection Comments:

Sampler Signature: Steve Zebovitz Division/Company: DLPC

	CONTAINER			ANALYSIS	FILTERED (Y/N)	Date	Time
No.	Code	Size	Pres				
1	5	32oz	----	BNA			
2	12	2oz	----	VOA			

CHAIN OF CUSTODY CARRIABLE

Opened by (print): STEVE ZEBOVITZ Signature: Steve Zebovitz

Date: MAY 3 1988 Time: 11:40 AM Seal #: 3491 Intact? (Y) / N

Relinquished by (print): STEVE ZEBOVITZ Signature: Steve Zebovitz

Date: 5-3-88 Time: 3:30 PM Seal #: 3492

Received by - sample picked up: BAUER MACK - BAXTER WOODMAN LFK AQUALAB/NET 5/4/88

Courier - sample delivery: BAUER MACK TO SEKO TO AQUALAB

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): L.F. KREBS Signature: L.F. Krebs

Date: 5/4/88 Time: 2^00 Seal #: 3492 Intact?: (Y) / N

Lab Name: AQUALAB Comments:

LEFA - DLP
CHAIN OF CUSTODY

Seal #: 3491

Date Sealed: 5/2/88 By: AU

Facility
Name : HUNTLEY WELL #4
Region: MAYWOOD
County: MC HENRY

Site Inventory # : 1116000000
Site Billing Code: LP-52465
Project Manager : DENNIS NEWMAN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X104	5-3-88	3:00 PM

Sample Appearance : DARK BROWN CLAY

Collection Comments:

Sample Signature : Steve Zebowitz Division/Company DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERED (Y or N)
1	5	32oz	----	BNA	
2	12	2oz	----	VOA	

CHAIN OF CUSTODY CHECKABLE

Opened by (print): STEVE ZEBOWITZ Signature: Steve Zebowitz

Date 5-3-88 Time 11:40 AM Seal # 3491 Intact? Y / N

Relinquished by (print): STEVE ZEBOWITZ Signature: Steve Zebowitz

Date 5-3-88 Time 3:30 PM Seal # 3492 5/4/88

Received by (print) BRUCE MACK BAXTER WOODMAN / LFK AQUALAB/NET

Courier - sample delivery: BRUCE MACK TO SEKO TO AQUALAB

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): L.F. KREBS Signature: L.F. Krebs

Date: 5/4/88 Time: 2:00 Seal #: 3492 Intact?: Y / N

Lab Name: AQUALAB Comments:

Document 6

level of 23.3 ft below land surface.

The pumping equipment presently installed consists of a 5-hp 1800 rpm U.S. electric motor (Serial No. 2679408), a 6-in., 11-stage Aurora turbine pump (No. 11687) set at 50 ft, rated at 100 gpm at about 140 ft TDH, and has 50 ft of 4-in. column pipe. The well is equipped with 50 ft of airline.

A mineral analysis of a sample (Lab. No. 111119) collected July 17, 1947, after pumping for 6 hr at 100 gpm, showed the water to have a hardness of 395 mg/l, total dissolved minerals of 447 mg/l, and an iron content of 1.3 mg/l.

Prior to the construction of Well No. 4, a test well (No. 1-53), finished in sand and gravel, was completed in November 1953 to a depth of 76 ft by the Layne-Western Co., Aurora. The test well was located under the elevated tank on Woodstock St., approximately 250 ft S and 1800 ft E of the NW corner of Section 33, T43N, R7E.

A sample study summary log of Test Well No. 1-53 furnished by the State Geological Survey follows:

Strata	Thickness (ft)	Depth (ft)
PLEISTOCENE SERIES		
Soil, brown	5	5
Till, very gravelly, sandy	20	25
Sand, very gravelly, medium to very coarse	10	35
Gravel, very sandy, granular	27.5	62.5
Sand, very gravelly, medium to very coarse	2.5	65
Sand, silty, very fine to coarse	5	70
Sand, gravelly, medium to very coarse	6	76

WELL NO. 4, finished in sand and gravel, was completed in November 1953 to a depth of 63 ft (measured in 1974 at 61 ft deep) by the Layne-Western Co., Aurora. This well is available for emergency use. The well is located under the elevated tank 50 ft west of the test well, approximately 250 ft S and 1750 ft E of the NW corner of Section 33, T43N, R7E. The land surface elevation at the well is approximately 889 ft.

A drillers log of Well No. 4 follows:

Strata	Thickness (ft)	Depth (ft)
Till	1	1
Natural and black fill	2	3
Blue clay and boulders	37	40
Coarse gravel and boulders	23	63

A 34-in. diameter hole was drilled to a depth of 63 ft. The well is cased with 12-in. pipe from 1.7 ft above the pumphouse floor to a depth of 53 ft followed by 10 ft of 12-in. No. 8 (0.030 in.) Layne bronze shutter screen. The annulus between the bore hole and casing-screen assembly is filled with clay fill from 0 to 28 ft and with 11.5 yards of pea gravel and coarse sand from 28 to 63 ft.

A production test was conducted on November 11-12, 1953, by representatives of the driller, the State Water Survey, and Baxter and Woodman, Consulting Engineers. After 24 hr of pumping at rates of 219 to 323 gpm, the final drawdown was 10.0 ft from a nonpumping water level of 21.0 ft below land surface. Forty-two min after pumping was stopped, the water level had recovered to 25.8 ft. Well No. 2 was pumping during the first part of the test.

In September 1975, the nonpumping water level was reported to be 22 ft.

The pumping equipment presently installed consists of a 20-hp General Electric motor, an 8-in., 7-stage Johnston turbine pump set at 40 ft, rated at 250 gpm at about 200 ft TDH, and has 40 ft of 6-in. column pipe. A 5-ft section of 6-in. suction pipe is attached to the pump intake. The well is equipped with 40 ft of airline.

A partial analysis of a sample (Lab. No. 148164) collected November 7, 1958, after pumping for 5 min, showed the water to have a hardness of 440 mg/l, total dissolved minerals of 437 mg/l, and an iron content of 1.4 mg/l.

WELL NO. 5, finished in sand and gravel, was completed in October 1969 to a depth of 95 ft by the J. P. Miller Artesian Well Co., Brookfield. The well is located by the new elevated tank north of the village on the east side of Route 47, approximately 1865 ft S and 1535 ft E of the NW corner of Section 28, T43N, R7E. The land surface elevation at the well is approximately 900 ft.

A drillers log of Well No. 5 follows:

Strata	Thickness (ft)	Depth (ft)
Clay	20	20
Gravel	5	25
Blue clay	50	75
Sand and gravel	20	95

A 36-in. diameter hole was drilled to a depth of 95 ft. The well is cased with 12-in. pipe from land surface to a depth of 80 ft followed by 15 ft of 12-in. No. 50 slot Johnson stainless steel screen. The annulus between the bore hole and casing-screen assembly is filled with cement grout from 0 to 20 ft, with impervious fill from 20 to 50 ft, and with No. 2 Northern gravel from 50 to 95 ft.

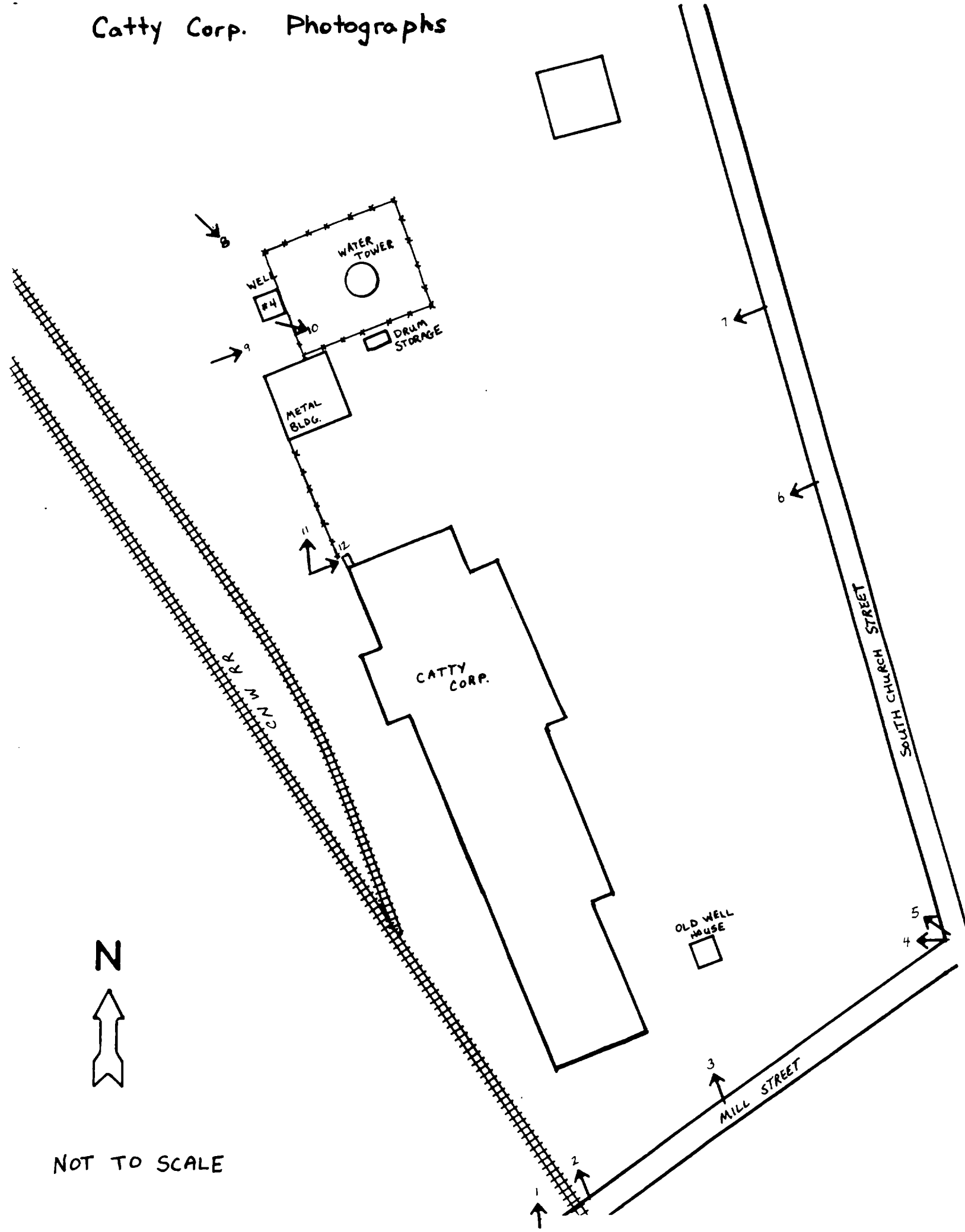
Upon completion, the well reportedly produced 600 gpm for 24 hr with a drawdown of 30 ft from a nonpumping water level of 29 ft below land surface.

In January 1973, this well was treated with 1000 gal of acid by the Layne-Western Co., Aurora. After acidizing, the well reportedly produced 488 gpm with a drawdown of 41 ft from a nonpumping water level of 27 ft.

The pumping equipment presently installed consists of a 40-hp 1800 rpm U.S. Holloshaft electric motor (Serial No. RR-800-00-170-CR2023853), a 10-in., 4-stage Layne vertical turbine pump (Serial No. 62834) set at 70 ft, rated at 600 gpm at about 200 ft TDH, and has 70 ft of 8-in. column pipe. The well is equipped with 70 ft of airline.

The following mineral analysis made by the Illinois Environmental Protection Agency (Lab. No. B18268) is for a water sample from the well collected October 21, 1975, after 3.5 hr of pumping at 400 gpm.

Catty Corp. Photographs



DATE: 5 April 89

TIME: 2:00 pm

Photograph by:

Tim Murphy

Location: Catty Corp.

11117 S. Church St.

Huntley, McHenry Co., IL

Comments: Picture taken toward

the North

1

DATE: 5 April 89

TIME: 2:00 pm

Photograph by:

Tim Murphy

Location: Catty Corp.

Comments: Picture taken toward

the North-Northwest

2

DATE: 5 April 89

TIME: 2:00 pm

Photograph by:

Tim Murphy

Location: Catty Corp.
11117 S. Church St.
Huntley, McHenry Co., IL

Comments: Picture taken toward the North-Northwest of old well house where hazardous wastes had been stored

3

DATE: 5 April 89

TIME: 2:00 pm

Photograph by:

Tim Murphy

Location: Catty Corp

Comments: Picture taken toward the west

4

DATE: 5 April 89

TIME: 2:05 pm

Photograph by:

Tim Murphy

Location: Catty Corp.

11117 S. Church St.

Huntley, McHenry Co., IL

Comments: Picture taken toward the North west

5

DATE: 5 April 89

TIME: 2:05 pm

Photograph by:

Tim Murphy

Location: Catty Corp.

Comments: Picture taken toward the west-south west

6

DATE: 5 April 89

TIME: 2:07 pm

Photograph by:

Tim Murphy

Location: Catty Corp.

11117 S. Church St.

Huntley, McHenry Co., IL

Comments: Picture taken toward the west-southwest

7

DATE: 5 April 89

TIME: 2:08 pm

Photograph by:

Tim Murphy

Location: Catty Corp.

Comments: Picture taken toward the southeast of well #4

8

DATE: 5 April 89

TIME: 2:10 pm

Photograph by:

Tim Murphy

Location: Catty Corp.
11117 S. Church Street
Huntley, McHenry Co., IL

Comments: Picture taken toward
the North

11

DATE: 5 April 89

TIME: 2:10 pm

Photograph by:

Tim Murphy

Location: Catty Corp.

Comments: Picture taken toward
the east-Northeast

12

DATE: 5 April 89

TIME: 2:08 pm

Photograph by:

Tim Murphy

Location: Catty Corp.

11117 S. Church St.

Huntley, McHenry Co., IL

Comments: Picture taken toward the east-northeast of well #4

9

DATE: 5 April 89

TIME: 2:09 pm

Photograph by:

Tim Murphy

Location: Catty Corp.

Comments: Picture taken toward Southeast of the drum Storage area

10